

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/05460

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B29C39/00 C08J5/18 B81C1/00 B81B3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 B81B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 236 491 B1 (GOODWIN-JOHANSSON SCOTT HALDEN) 22 May 2001 (2001-05-22) abstract claim 13 column 5, line 44 - column 7, line 49 -----	1-8
Y	US 6 423 260 B1 (ULLETT JILL S ET AL) 23 July 2002 (2002-07-23) column 2, line 31 - column 3, line 11 column 9, line 1 - column 10, line 52 figures 9,12; tables 2,4 -----	1-8
A	US 6 137 623 A (RINNE GLENN A ET AL) 24 October 2000 (2000-10-24) cited in the application abstract column 7, line 3 - column 8, line 63 figures 2A,2B ----- -----	1

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the International search

24 November 2004

Date of mailing of the International search report

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KOSSIKHINA S A ET AL: "THERMOMECHANICAL PROPERTIES OF A MAGNETICALLY AND MECHANICALLY ORIENTED LIQUID CRYSTALLINE COPOLYESTER, XYDAR" POLYMER ENGINEERING & SCIENCE, WILEY & SONS, BOGNOR REGIS, GB, vol. 38, no. 6, June 1998 (1998-06), pages 914-921, XP000848913 ISSN: 0032-3888 the whole document -----	1-4
A	US 6 132 668 A (BRETCHES DONALD D ET AL) 17 October 2000 (2000-10-17) figures 9A-9C column 2, line 55 - column 3, line 43 column 7, line 36 - column 8, line 28 -----	1-4
A	O'NEILL M; KELLY S M: "Photoinduced surface alignment for liquid crystal displays" JOURNAL OF PHYSICS D, vol. 33, no. 10, 21 May 2000 (2000-05-21), pages R67-R84, XP002303452 BRISTOL, UK * Paragraph "1. Introduction" * * Paragraph "3. Alignment mechanisms and materials" * -----	9-11

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Information on patent family members

International Application No

PCT/IB 03/05460

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6236491	B1	22-05-2001	AT AU CA DE EP JP WO	274196 T 4857800 A 2368129 A1 60013118 D1 1183566 A1 2003501274 T 0073839 A1	15-09-2004 18-12-2000 07-12-2000 23-09-2004 06-03-2002 14-01-2003 07-12-2000
US 6423260	B1	23-07-2002	US	6117385 A	12-09-2000
US 6137623	A	24-10-2000	AU EP JP WO US	3106799 A 1064571 A2 2002507759 T 9947950 A2 6233088 B1	11-10-1999 03-01-2001 12-03-2002 23-09-1999 15-05-2001
US 6132668	A	17-10-2000	US US CA US US US US	4973442 A 4963428 A 1328161 C 4845150 A 4939235 A 5501831 A 5168011 A	27-11-1990 16-10-1990 05-04-1994 04-07-1989 03-07-1990 26-03-1996 01-12-1992